## **AMENDMENTS TO THE SPECIFICATION**

On page 1, lines 2-3 please replace the title with the following: "COMPOSITIONS AND METHODS FOR TARGETING CANCER CELLS".

On page 1, lines 5-6, please replace the paragraph with the following paragraph:

This application is a divisional of U.S. Application No. 09/693,658 filed October 19, 2000, currently pending.

On page 12, please replace lines 17-22 with following amended paragraph:

In a preferred embodiment, R<sup>11</sup> is a C<sub>12</sub> alkyl, branched alkyl, alkenyl or alkynyl; R<sup>12</sup> is C<sub>8</sub>H<sub>16</sub> alkyl or branched alkyl; n = 1, and R<sup>13</sup> is an anticancer agent selected from the group consisting of gemcitabine, ara-C, 5-azacytidine, cladribine, flucturabine fludarabine, fluorodeoxyuridine, cytosine arabinoside, and 6-mercaptopurine, 6-thioguanine, 5-deoxyfluorouridine, ftorafur, capecitabine, 5-deoxy-5-fluorocytidine, 5-aza-cytsine arabinoside, troxacitabine, and pentostatin, wherein the phosphorus atom of the phosphate moiety is covalently linked in a phosphate ester likage linkage to the oxygen atom of the 5' hydroxyl group of a sugar moiety of R<sup>13</sup>.

On page 13, please replace lines 15-19 with the following amended paragraph:

In a preferred aspect,  $R^{21}$  is  $C_{12}$  alkyl;  $R^{22}$  is  $C_{10}$  alkyl; n = 1, and  $R^{23}$  is an anticancer agent selected from the group consisting of gemcitabine, ara-C, 5-azacytidine, cladribine, flucturabine fludarabine, fluorodeoxyuridine, cytosine arabinoside, and 6-mercaptopurine, 6-thioguanine, 5-deoxyfluorouridine, florafur, capecitabine, 5-deoxy-5-fluorocytidine, 5-aza-cytsine arabinoside, troxacitabine, and pentostatin, wherein the methylene group of the phosphonate moiety is covalently linked to the oxygen atom of the 5' hydroxyl group of a sugar moiety of  $R^{23}$ .

On page 14, please replace lines 11-15 with the following amended paragraph:

In a preferred embodiment,  $R^{31}$  is  $(C_6 - C_{16})$  alkyl, branched alkyl, alkenyl or alkynyl;  $R^{32}$  is  $(C_1 - C_8)$  alkyl, branched alkyl, alkenyl or alkynyl, and  $R^{33}$  is an anticancer agent selected from the group consisting of mitoxanthrone, <u>doxorubicin</u>, <u>idarubicin</u>, <u>epirubicin</u>, <u>daunorubicin</u>, <u>mitomycin</u>, methotrexate, <u>and CPT-11</u>, <u>SN-38</u>, <u>camptothecin</u>, topotecan, 9-nitrocamptothecin, and 9-aminocamptothecin</u>, and is covalently linked via an ester, amido or carbamate linkage to the -SH, OH or amino group of  $X^{33}$ .

On page 17, please replace lines 4-8 with the following amended paragraph:

Figure 1, comprising Figures 1A, 1B, and 1C and 1D is a series of formulae depicting the chemical structures of several anticancer agents. Figure 1A depicts the chemical structure of BM21.1290 gemcitabine. Figure 1B depicts the chemical structure of gemcitabine ara-C. Figure 1C depicts the chemical structure of ara-C 5-azacytidine. Figure 1D depicts the chemical structure of 5-azacytidine.

On page 17, please delete lines 16-25.

On page 17, please replace lines 26-27 with the following amended paragraph:

Figure  $\underline{5}$  7, comprising Figures  $\underline{7}\underline{A}$  and  $\underline{7}\underline{B}$   $\underline{5}\underline{B}$ , is a pair of formulae depicting the chemical structures of exemplary compounds of Formula III.

On page 17, please replace lines 28-29 with the following paragraph:

Figure  $\underline{6}$  8, comprising Figures 8A  $\underline{6}$ A and 8B  $\underline{6}$ B, is a pair of formulae depicting the chemical structures of exemplary compounds of Formula IV.

On page 17, please replace lines 30-31 with the following paragraph:

Figure 9 7 is a formula depicting the chemical structure of an exemplary compound of Formula V.

On page 28, please replace lines 28-32 with the following amended paragraph:

Preferably, the anticancer agent is selected from the group consisting of gemcitabine, ara-C, 5-azacytidine, cladribine, fluelarabine fludarabine, fluorodeoxyuridine, cytosine arabinoside and 6-mercaptopurine, 6-thioguanine, 5-deoxyfluorouridine, ftorafur, capecitabine, 5-deoxy-5-fluorocytidine, 5-aza-cytsine arabinoside, troxacitabine, and pentostatin, wherein the phosphorus atom of the phosphate moiety is covalently linked in a phosphate ester likage linkage to the oxygen atom of the 5' hydroxyl group of a sugar moiety of R<sup>13</sup>.

On page 30, please replace lines 3-6 with the following amended paragraph:

Preferably, the anticancer agent is selected from the group consisting of gemcitabine, ara-C, 5-azacytidine, cladribine, fluelarabine fludarabine, fluorodeoxyuridine, cytosine arabinoside and 6-mercaptopurine, 6-thioguanine, 5-deoxyfluorouridine, ftorafur, capecitabine, 5-deoxy-5-fluorocytidine, 5-aza-cytsine arabinoside, troxacitabine, and pentostatin, wherein the methylene group of the phosphonate moiety is covalently linked to the oxygen atom of the 5' hydroxyl group of a sugar moiety of R<sup>23</sup>.

On page 31, please replace lines 7-9 with the following amended paragraph:

Preferably, the anticancer agent is selected from the group consisting of mitoxanthrone, doxorubicin, idarubicin, epirubicin, daunorubicin, mitomycin, methotrexate, and CPT-11, SN-38, camptothecin, topotecan, 9-nitrocamptothecin, and 9-aminocamptothecin, and is covalently linked via an ester, amido or carbamate linkage to the -SH, OH or amino group of X<sup>33</sup>.

On pages 51-52, please delete Example 4, page 51, line 14 – page 52, line 20.

On page 52, please replace line 22 with the following amended paragraph:

Example 45

On page 53, please replace line 1 with the following amended paragraph:

Example 5 6